

KYNCL, K.; WOLF, J.; WOLF, J. ml.

Equipment for automatic lubrication of the mold cavity in
pressure die casting. Slevarenstvi 13 no.1:19-20 Ja '65.

1. Mold Research and Development Department of the Vihorlat
National Enterprise, Prague.

WOLF, J.

Regulatory mechanism for the drainage of chamber fluid demonstrated by injections in the macaque. Folia morph. (Praha) 13 no.4:328-339 '65.

Praestomata aquosa of the chamber angle in the macaque. Ibid.: 340-347

1. Laboratory for Electron Microscopy and Experimental Morphology, Czechoslovak Academy of Sciences, Prague. Submitted January 8, 1965.

WOLF, J.

Investigations on the secretory cycle and the cilia of the gastric mucosa with optic and electron microscopes. Biol. listy 31 Suppl: 174-190 2 Jan 1951. (CJML 20:3)

1. Of the Institute of Histology of the Medical Faculty of Charles University, Prague. Author is Prof. M.D.

WOLF, J.

~~Surface of the human skin in electron microscopy~~ microscopy. Biol.
listy 31 Suppl:191-199 2 Jan 1951. (CINL 20:9)

1. Of the Institute of Histology of the Medical Faculty of Charles
University, Prague. Author is Prof. M.D.

WOLF, J.

Human chorionic cilia in electron microscopy. Biol.listy 31
Suppl:200-205 2 Jan 1951. (CML 20:9)

1. Of the Institute of Histology of the Medical Faculty of Charles
University, Prague. Author is Prof. M.D.

WOLF, J.

Application of ultrasonics in microscopic technique. Biol. listy 31
Suppl:206-210 2 Jan 1951. (CINL 20:9)

1. Of the Institute of Histology of the Medical Faculty of Charles
University, Prague. Author is Prof. M.D.

WOLF, J.

Acceleration of mass preparation of paraffin embedded specimens
with the aid of centrifugal basket. Biol.listy 31 Suppl:211-214
2 Jan 1951. (CJML 20:9)

1. Of the Institute of Histology of the Medical Faculty of Charles
University, Prague. Author is Prof. M.D.

WOLF, J.

80th anniversary of prof. Studnicka. Biol. listy 31 Suppl:5-18
2 Jan 1951. (CML 20-9)

WOLF, J.

VALACH, Vlad., MUDr; WOLF, J., MUDr

Paramyloidosis in multiple plasmocytic myeloma. Cas. lek. cesk.
93 no.42:1172-1178 15 Oct 54.

(AMYLOIDOSIS

paramyloidosis complicated with multiple plasmocytic
myeloma)

(MYELOMA, PLASMA CELL, complications
paramyloidosis)

EXCERPTA MEDICA Sec.15 Vol.10/4 Chest Diseases Apr57

839. WOLF J. Histol. Inst., Prague. *Průkaz existence protoplasmatické výstelky plicních alveolů jejím snesením. The proof of the existence of the protoplasmatic membrane of the lung-alveoli by its ablation CSL. MORFOL. 1955, 3/3 (265-269) Illus. 4

By means of a microrelief method described, one can detach very flat (0.1-0.2 μ .) elements from the inner surface of alveoli (rabbit), stained with iron-haematoxylin of Heidenhain. They possess nuclei and are, therefore, real cells.

Frankenberger - Prague (I, 15)

CZECHOSLOVAKIA / Human and Animal Morphology (Normal and Pathological). Circulatory System. Blood Vessels. S

Abs Jour : Ref Zhur - Biologiya, No 9, 1958, No. 40858

Author : Wolf, J.
Inst : Not given *Dept. Histol. + Embryology, Fac. Med. Charles Univ.*
Title : Optical and Electron Microscopical Study of the Micro-relief of the Endothelium and Deductions Resulting from These Studies

Orig Pub : Ceskosl. morfol., 1956, 4, No 2, 118-133

Abstract : The endothelial cells possess a tremendous plastic adaptability to stretching in any direction. Closing striae (CS) occur during coagulation of the fluid, oozing out from the interendothelial spaces, and represent inconstant formations, undergoing a continuous process of wear and renewal. The CS separate matter in the vascular lumen from the tissue fluid and are endowed

Card 1/2

CZECHOSLOVAKIA/General Biology - General Histology.

B-3

Abs Jour : Ref Zhur - Biol., No 15, 1958, 66696

Author : Wolf, J.

Inst

Dept. of Histology, Faculty of Medicine, Charles Univ., Prague.

Title

: The Morphological Nature of Resorptive Cells.

Orig Pub : Ceskosl. morfol., 1956, 4, No 3, 239-255

Abstract : The process of resorption has been studied on yolk sac cells of rodents and on human chorion. It was found that the process of resorption proceeds in four stages:

- 1) penetration of compounds through the surface cell membrane,
- 2) through its intracellular media,
- 3) through the mitochondria apparatus (Golgi's apparatus)
- 4) passing into the subepithelium tissues. The second stage is of greatest interest. The morphological substrate of the resorption in the first state is a brush-like border consisting of plasmotic protuberances which

Card 1/2

CZECHOSLOVAKIA/General Biology. General Histology.

B-3

Abs Jour : Ref Zhur - Biol., No 15, 1958, 66696

increase the resorptive surface manifold. The morphological substrate of the second stage consists of adsorbing bodies which are located in vacuoles and which are stained by Neutral Red. The lipoproteins in those bodies adsorb the entering substances, thus decreasing their concentration in a cell. It was established that adsorbing bodies are vividly colored not only with alkaline but also with the acid dyestuffs.

Card 2/2

- 2 -

EXCERPTA MEDICA Sec 18 Vol. 1/11 Cardiovas. Dis. Nov 57

2932. WOLF J., JANOUTEM V., KLIKOU E., MYSLIVEČKOVU A., TITL-BACHEM M. and ZÁSTAVOU V. Úst. pro Histol. Lék. Fak. Karlovy Univ., Praha. Regulační mechanismus průtoku krve velkými kmeny věnčitých tepen člověka a dedukce z něho vyplývající *The regulating mechanism of blood flow in the main branches of the coronary arteries in man and deductions following from it* Čas. Lék. čes. 1956, 95/36 (973-981) Illus. 11.

The comparative study of microscopic preparations revealed the fact that on the lowering of the muscle tonus in the media by 1/10 of the length of the muscle cell the blood flow rises to 181.1%. Shortening of the muscle cells of the media by 1/10 of their length results in a lowering of the blood flow down to 47.2%; when the shortening of the muscle cells of the media reaches 37.28%, the flow stops altogether. The authors believe that under pathological conditions where the intima is 1.3 the thickness of the media, its resistance becomes affected so as to 'gather' under the impact of the blood flow. The intima is stripped off along the longitudinal axis of the artery. In normal individuals, this stripping is prevented partly by the passive resistance of elastic and collagenous fibres, partly by the active tonus of the muscle cells distributed throughout the intima. An important aspect of the pathology and therapy of the coronary arteries lies in the realization that even a very slight reduction in the length of the muscle cells may altogether interrupt the blood flow and thus lead to death. The cases of infarction where not even a very careful autopsy revealed an occlusion in the artery, must be explained as consequent to a spasm of the muscles. In these cases irritation of the artery may be caused by a dislodged atheromatous bed (plaque). The thickening of the intima in the process of ageing impedes its nutrition and assists in producing atheromatous changes. These changes affect the tonus and elasticity of the arterial wall, and the intima gets "stripped off" by the blood flow. The irritation caused in this way brings about spasms which may become manifest in the form of anginous attacks or infarctions, without the autopsy revealing any arterial occlusion.

Zitka - Prague

EXCERPTA MEDICA Sec 12/Vol 13/5 Ophthalmology May 59

678. THE SURFACE PATTERN OF THE CONJUNCTIVAL EPITHELIUM IN THE LIGHT AND ELECTRON MICROSCOPIC PICTURE AND ITS FUNCTIONAL SIGNIFICANCE - Povrchová konfigurace spojivkového epithelu v obraze optickém i elektronovém a její funkční význam - Wolff J. Lab. ČSAV pro Elektron. mikroskop. a Exp. Morfol. a Úst. pro Histol. Lék. Fak. Karlovy Univ., Praha - ČSL. MORFOL. 1957, 5/4 (410-420) illus. 27

On the surface pattern of the conjunctival epithelium, which was demonstrated with the author's moist relief method, the basic pattern of the superficial cover cells and their secretions can be distinguished. The pattern was examined both optically and by electron microscopy. The basic pattern of the superficial cover cells shows a finely lobular structure. Especially at the surface of the fornix epithelium this structure is deep to villous. Signs of secretory activity of epithelial cells are described.

(I, 12)

WOLF, Jan

Resorptive activity of the oviduct epithelium from the viewpoint of electron microscopy. Cs morfologi 8 no.2:164-176 '60. (EEAI 9:8)

1. Laborator pro elektronovou mikroskopii a experimentalni morfologii
Ceskoslovenske akademie ved, Prague. (Vedouci akademik professor
MUDr. Jan Wolf)

(OVIDUCT) (EPITHELIUM)
(ELECTRON MICROSCOPE)

WOLF, Jan, profesor, akademik

Openings of the sweat ducts on the epidermis surface and their function as one-way valves. Cs morfologie 9 no.3:252-265 '61.

1. Prednosta, Histologicky ustav fakulty vseobecneho lekarstvi v Praze.

(SWEAT GLANDS)

WOLF, Jan, akademik

Opening of hair follicles on the skin surface. Cs morfologie 9 no.4:
422-430 '61.

1. Ustav pro histologii lekarske fakulty Karlovy university a laborator
pro elektronovou mikroskopii a experimentalni morfologii Ceskoslovenske
akademie ved. Vedouci akademik Jan Wolf.

(HAIR) (SKIN)

WOLF, J.; HANUSOVA, S.

Occupational eczema with planar appearance. Cesk. dermat. 36 no.2:
80-82 '61.

1. Histologický ústav Karlovy university v Praze, přednosta akad.
prof. Dr. J. Wolf Kozní oddělení nemocnice v Praze VIII, přednosta
doc. dr. J. Obrtel, dr. Sc.

(OCCUPATIONAL DERMATITIS pathol.) (ECZEMA pathol.)

WOLF, Jan, akademik

The 4th Mid-European Cytological Symposium in Lausanne. Vestnik
CSAV 71 no.1:135-137 '62.

WOLF, J.
KORZYBSKI, T.; KURYLOWICZ, W.; KUZNIECOW, A.; WOLF, J.

Antibacterial properties of isonicotinic acid hydrazide. Polski
tygod. lek, 7 no. 18:562 5 May 1952. (CLML 22:5)

1. Of the National Institute of Hygiene in Warsaw.

Wolff, Jadwiga

POLON

Increase in oxytetracycline production by *Streptomyces rimosus*. Dawid Borensztajn and Jadwiga Wolff (Państwowy Zakład Hig., Warsaw). *Med. Doklady* i *Mikrobiol.* 7: 125-34(1955).—Ultraviolet irradiation and treatment with N mustards produced *Streptomyces rimosus* mutants which yielded 1000 γ /ml. oxytetracycline when grown in a lab. shaker and av. 1500 γ /ml. when grown in stainless steel tanks (30-150-l. capacity). The lyophilized mutants were stable for at least 6 weeks. I. Z. Roberts

WOLF, JADWIGA

POLON

Laboratory and pilot-plant production of oxytetracycline. Dawid Borensztajn and Jadwiga Wolf (Państwowy Zakład Hig., Warsaw). *Med. Dziejstwa i Mikrobiol.* 7, 135-54 (1955).—Oxytetracycline (I) was produced in 30-l. and 150-l. tanks by *S. rimosus* mutant (cf. C.A. 49, 11088c) in Van Dyck and De Somer medium (*Antibiotics & Chemotherapy* 2, 4(1952); C.A. 47, 1774c) substituting arachis oil (II) for sucrose. II was added at 0, 28, 48, 60, and 72 hrs. of fermentation giving a final 1.5% II. The temp. was $28 \pm 2^\circ$; optimum time 120 hrs.; av. yield 1537 μ /ml.; starting pH 7-7.8, final pH 6.8-8.9. To isolate I, the culture acidified to pH 1.5 was filtered, filtrate adjusted to pH 9-9.5, I salted out with 25% NaCl-10% BuOH, the ppt. dried at 40° dissolved in MeOH plus CaCl₂-satd. MeOH (5:1), filtered, and pptd. by adding concd. HCl. I. Z. Roberts

WOLF, Jadwiga; BORENSZTAJN, Dawid.

Method of isolation of vitamin B 12-producing microorganisms.
Med.dosw.mikrob. 7 no.2:187-190 1955.

1. Z Panstwowego Zakladu Higieny w Warszawie.
(VITAMIN B12, preparation of,
isolation of Streptomyces prod.vitamin B12)
(STREPTOMYCES,
vitamin B12-prod. strains, isolation)

OSTROWSKA-KRYSIAK, Barbara; WOLY, Jadwiga; PIECHOWSKA, Mirosława; BORENSZTAJN, Dawid, oraz wspol. tech. Teresa Kolasa

Studies on production of erythromycin. Med. dosw. mikrob. 10 no.2: 165-174 1958.

1. Z Zakładu iotyków PZH w Warszawie.
(ERYTHROMYCIN, preparation of,
fermentation technic (Pol))

PIECHOWSKA, Mirosława; OSTROWSKA-KRYSIAK, Barbara; WOLF, Jadwiga; BORENSZTAJN,
Dawid; Wspolpr. tech. Teresa Kolasa

Studies on production of erythromycin; chemical and analytical parts.
Med. dosw. mikrob. 10 no.2:175-183 1958.

1. Z Zakładu Antybiotyków PZH w Warszawie.
(ERYTHROMYCIN, preparation of.
chem. & analytic aspects (Pol))

OSTROWSKA-KRYSIAK, Barbara; PIECHOWSKA, Mirosława; WOLF, Jadwiga

Selection of a nitrogen source during the process of erythromycin biosynthesis. Med.dosw.mikrob. 13 no.2:159-165 '61.

1. Z Instytutu Antybiotyków w Warszawie.

(ERYTHROMYCIN chem) (STREPTOMYCES culture)

EXCERPTA MEDICA Sec 18 Vol 3/3 Cardio. Dis. Mar 59

741. Hypertrophy of the left ventricle in athletes Beitrag zum Studium der Linkskammerhypertrophie bei Sportlern. WOLF I. and KAFKA H. Prague XI^e Congres Intern. Méd. sport à Luxembourg du 30 mai au 3 juin 1956 (594—602) Graphs 10 Tables 1

Twenty athletes with left ventricular hypertrophy were submitted to ECG examination after a combined effort test comprising the glucose test, orthostatism and knee-bendings. The authors' results are compared with corresponding results obtained by other authors in hypertensive patients with left ventricular hypertrophy. The conclusion is reached that myocardial hypertrophy in athletes and in hypertensive patients differs only quantitatively and not qualitatively.

Lukasik - Wroclaw (XVIII, 6)

CZECHOSLOVAKIA/Human and Animal Physiology. Blood Circulation.
General Problems.

T-5

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55555

Author : Wolf, Jaromir; Kafka, Hanus.

Inst :

Title : The Hypertrophy of the Left Ventricle in Athletes.

Orig Pub: Vnitřní lékařství, 1957, 3, No 11, 961-968.

Abstract: No abstract.

Card : 1/1

WOLF, JAROMIR

BOJANOVSKY, Ivo; WOLF, Jaromir

Qt wave and its relation to the degree of training in athletes.
Polskie arch. med. wewn. 27 no.5:611-615 1957.

1. Z. Instytutu Badan Kultury Fizycznej (Vyzkumny ustav telovychovny)
i z Wydzialu Ochrony Zdrowia w Kulturze Fizycznej i P Sporcie
Centralnej Rady Narodowej Pragi (Oddeleni zdravotni pece o telesnou
vychovu a sport, UNV Praha). Adres. autora: Praha II Karlovo Namesti
Poliklinika.

(ATHLETICS,

QT wave, eff. of train (Pol))

(ELECTROCARDIOGRAPHY,

QT 'wave' in athletes, eff. of train. (Pol))

EXCERPTA MEDICA Sec 6/Vol 13/6-Internal Medicine June 59

2763. THE IMPORTANCE OF INCOMPLETE RIGHT BUNDLE-BRANCH BLOCK (TAWARA) IN ATHLETES - Význam nedplné blokady pravého raménka. Tawarova u sportovcu - Wolf J. Odd. Zdravotní Pěče o Těl. Výchovu a Sport ÚNZ-ÚNV, Praha - ČAS. LÉK. ČES. 1958, 97/22 (681-689) Graphs 13

Among 422 ECG curves from athletes, 70 cases of partial RBBB were found. Clinical history or state did not explain the occurrence of this finding. Only in one case was there thoracic deformation seen. In certain cases, during follow-up, these changes either improved or worsened. The presence of this change depended on the degree of intensity of training and participation in exhausting events. It was possible to influence this ECG picture of RBBB by a Valsalva manoeuvre, and the author concludes that the block is functional. Its basis should be sought for in diastolic overfilling of the right ventricle as a result of the haemodynamic changes developing in the course of training and racing. (XVIII, 6)

WOLF, Jaroslav, inz., CSc.

Contribution to the theory of determining the current increase
of same-aged stands. Les cas 9 no.2:159-168 F '63.

1. Lesnicka fakulta, Vysoka skola zamedelska, Brno.

WOLF, Jaroslav, inz.; KOUBEK, Jaroslav; MALIK, Stanislav

Technical and economic indexes are the basis of the seven-year plan. Poz stavby 11 no.3:117-123 '63.

1. Monotovane stavby Praha (for Wolf and Koubek).
2. Vakuumny ustav stavebni vyroby Praha (for Malik).

S/276/63/000/004/007/007
A052/A126

AUTHORS: Wolf, Jindřich, Wolf, Jindřich

TITLE: The effect of the velocity of metal in the feeder on the mechanical properties of pressure-cast samples

PERIODICAL: Referativnyy zhurnal, Tekhnologiya mashinostroyeniya, no. 4, 1963, 44, abstract 4G272. (Slévárenství, v. 10, no. 8, 1962, 289 - 295) (Czech.; summaries in Russian, German, English, and French)

TEXT: The effect of the rate at which the mold is filled with metal on the mechanical properties of samples cast from the 42 4331.03 Czech standard alloy was studied. The investigation was carried out on a CLP85/15 - 3 machine with a vertical pressing chamber. When preparing the samples the plunger stroke, the time of its travel and the force produced by the machine were measured with oscillographic and tensiometric equipment. The velocity of metal in the feeder was computed by the speed of the plunger. It has been established that with an increase of the velocity of metal in the feeder all mechanical properties of the samples improve as well as the

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S/276/63/000/004/007/007
A052/A126

The effect of the velocity of metal in ...

quality of the surface and the mean grain size. Mechanical properties of samples produced at different velocities of metal are presented in the table

Speed of plunger cm/sec	0.51	0.29	0.63
Velocity of metal in feeder cm/sec	108	62	134
Filling time, sec	0.005	0.009	0.004
Breaking strength, kg/mm ²	21.1	16.6	25.9
Elongation, %	2.5	2.0	3.3
HB hardness	92	83	97
Number of grains per 1 mm ²	4913	2825	7185

The conclusions drawn were also verified on a 3-component Al-Si-Cu alloy the composition of which corresponded to that of the American SC84A alloy

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S/276/63/000/004/007/007
A052/A126

The effect of the velocity of metal in...

and of the German GDA1Si6Cu³ alloy. When testing samples of this alloy the breaking strength of 29.5 kg/mm² was recorded.

V. Samsonov

[Abstracter's note: Complete translation.]

Card 3/3

JAKES, Dusan; POUROVA, Venceslava; WOLF, Josef

Preparation of active uranium dioxides. Jaderna energie 9
no.5:165-166 My '63.

1. Ustav jaderneho vyzkumu, Ceskoslovenska akademie ved, Rez
u Prahy.

L 19766-65 EWP(e)/EPA(s)-2/ENT(m)/EPF(n)-2/EPA(w)-2/ENP(b)/ENP(t) Pab-10/Pt-10/
Pu-4 IOP(e) ASD(m)-3/AFETR ES/WW/JD/JG/WH Z/0012/64/000/004/0273/0282
ACCESSION NR: AP4047641

AUTHOR: Jakes, D. (Yakesh, D.); Sedlakova, L.; Wolf, J. (Vol'f, L)

TITLE: Sintering of ceramics from UO_2 . I. The preparation of UO_2 sinterable
at low temperatures

SOURCE: Silikaty, no. 4, 1964, 273-282

TOPIC TAGS: uranium dioxide, ceramic, ceramic sintering, sinterable uranium
dioxide 27

ABSTRACT: This article describes methods for the preparation of powdered UO_2 of
average and high surface area, and deals with the determination of the optimum
sintering temperature, the concentration of initial solutions, the terminal
the conditions for reduction of

pH of the suspensions, from 10 to a 100000

Card 1/3

L 19766-65

ACCESSION NR: AP4047641

gen, had a fundamental effect on the final properties. The authors determined that the terminal pH of the precipitate depends on the concentration of the precipitated solution of XC. The precipitation time of the polyuramate in the 15-60-min interval has no basic influence on the properties of the end product, nor has the interval had any marked effect. The poor filtrability of the

has: 6 figures and 4 tables.

ASSOCIATION: Ustav jaderného výzkumu, CSAV, Rez u Prahy (Institute of Nuclear Research, Czechoslovak AS)

Card 2/3

L 19766-65

ACCESSION NR: AP4047641

SUBMITTED: 28Mar64

ENCL: 00

SUB CODE: MT, MM

NO REF SOV: 001

OTHER: 023

WOLF, J.

"New sulfonamides, derivatives of p-sulfa-mylacetophenone."

p. 1299 (Roczniki Chemii) Vol. 30, no. 4, 1956
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

WOLF, J. E

Poland/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61496

Author: Kozłowska, D., Wolf, J. E.

Institution: None

Title: Dichloroacetylation of Hydrochloride of p-nitro-w-aminoacetophenone

Original

Periodical: Dwuchloroacetylowanie chlorowodoru p-nitro-w-aminoacetofenonu, Acta Polon. pharmac., 1955, 11, Dodatek: Pam. II. Ogólnopolsk. Zjazdu nauk. Pol. towarz., Farmac. Łodzi., 56-57; Polish; Russian and English resumés

Abstract: A modification of the synthesis of p-nitro-wodichloroacetylaminacetophenone (I), one of the principal intermediates in the production of chloromycetin, that makes it possible to obviate the isolation of CHCl_2COCl . CHCl_2COOH and SOCl_2 are heated in C_6H_6 , then there is added the hydrochloride of p-nitro-w-aminoacetophenone (II), yield I ~70%. It has also been found that a good yield of I can be obtained by gradually adding to an aqueous

Card 1/2

Poland/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61496

Abstract: solution of II, at 0-5° simultaneously CHCl_2COCl and aqueous solution of CH_3COONa .

Card 2/2

DOMOKOS, G.; WOLF, J.; SARANTSEVA, V.R., tekhn. red.

Regge-poles and form factors. Dubna, Ob"edinennyi in-t iader-
nykh issledovani, 1962. 3 p.
(No subject heading)

WOLF, J.; WOJCIECHOWSKI, J.

"Some Problems of Syntheses of Methyl Derivatives of Xanthine." P. 281.
(PRZEMISL CHEMICZNY, Vol. 10, No. 6, June, 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955 Uncl.

WOL P J

Effect of terpenes and their oxidation products on the skin. O. Lejhanová and J. Wolf (Prague, Czech.).
 141. *Pracovní Lékařství* 7, 288-9 (1935). Out of 9 distill. fractions of turpentine oil (1 mainly Δ^1 -carene and limonene were responsible for dermatitis. Addition of compounds inhibiting the autooxidation of 1 produced a mitigation of the effects on the skin; however, the volatility of the oil was lowered.
 L. J. Urbánek

1. Z odd. chovů z jodolenu KUNZ Bino, Jednostka
 doc. MUDR. K. Kadlec.
 (Skin, effects of dyes on,
 terpenes & turpentine oil & their
 oxidation prod.)
 (TERPENES, effects, on skin)
 (TURPENTINE, effects, on skin)

WOLF, J.

Calculation of heights of forest trees. p. 239.
SBORNIK. RADA C: SPISY FAKULTY LESNICKE. Brno.
No. 4, 1955.

SOURCE: EEAL - LC Vol. 5 No. 10 Oct. 1956

WOLF, J.

Trends in the evolution of forest growths with regard to time. p. 43.
(SBORNIK. RADA C: SPISY FAKULTY LESNICKE, No. 1, 1957, Brno, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 12, Dec1957. Uncl.

WOLF, J.

An attempt to determine the form of equation for time and field direction of tree development growth. p. 205.

LESNICKY CASOPIS. (Slovenska akademie vied) Bratislava, Czechoslovakia,
Vol. 5, no. 3/4, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959
Uncl.

WOLF, JORAJ

COMMON ELEMENTS		1ST AND 2ND ORDERS		3RD AND 4TH ORDERS	
WOLF, Josef		PROCESSING AND PROPERTIES INDEX		3	
e		<p>Study on crystalline glasses. Josef Wolf. Presented at meeting of the Czechoslovak Ceramic Society, Karlovy Vary, May, 1937; <i>Stavba</i>, 1937, p. 277. Four illustrations show crystalline glasses containing zinc silicate and zinc titanate, spherulites of copper titanate, manganese crystals with Liesegang rings, and crystals produced by the use of a combination of uranium and zinc. R.B.</p>			
ASM. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION					
1ST AND 2ND ORDERS		3RD AND 4TH ORDERS		5TH AND 6TH ORDERS	
1ST AND 2ND ORDERS		3RD AND 4TH ORDERS		5TH AND 6TH ORDERS	

WOLF, J.

Wolf, J. Drawing up heartwood tables by the method of least squares.
p. 34. LES. Bratislava. Vol. 1, no. 3, Mar. 1954.

SO: Monthly List of the East European Accession, (EEAL), LC. Vol. 4,
no. 10, Oct. 1955. Uncl.

WOLF, JOZEF

Description of the construction of blocks from slag and concrete
excited on a circular crusher built into the experimental building
Praga II. P. 42

PRZEGLAD BUDOWLANY. (Naczelna Organizacja Techniczna i Polski Związek
Inżynierów i Techników Budownictwa) Warszawa.

Vol. 28, no. 1, Jan. 1956

SOURCE: EEAL LC Vol. 5, no. 7, July 1956

WOLF, J.

The zoning of building activities. p. 281.

(Pozemni Stavby. Vol. 5, no. 6, June 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

WOLF, JOZEF

POLAND/Chemical Technology - Chemical Products and Their
Application - Ceramics, Glass, Binders, Concrete.

H-13

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8825

Author : Wolf Jozef, Leonowicz Roman

Inst : Institute of Housing Construction.

Title : Investigation of Slag-Concrete Roused in Crusher-Roll
Mill.

Orig Pub : Prace Inst. budown. mieszk., 1957, 6, No 17, 17-27

Abstract : Description of results of experiments on production of
roused slag-concrete (RSC) based on local fuel slag, gra-
de 250 portland cement and slaked lime. Blocks made of
RSC were tested under building conditions and showed the
following increase in strength as compared with the
strength after 24 hours: 14 days about 50%, after 28

Card 1/2

POLAND/Chemical Technology - Chemical Products and Their
Application - Ceramics, Glass, Binders, Concrete.

H-13

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8825

days about 65%, after 150 days about 110%.
Frost resistance of RSC specimens was found to be fully
satisfactory.

Card 2/2

WOLF, J.

"Equipment for turning locomotive wheelpairs when adjusting track gauge. p. 15"

STROJIRENSKA VYROBA (Ministerstvo tezkého strojirenství, Ministerstvo přesného strojirenství a Ministerstvo automobilového průmyslu a zemědělských strojů) Praha, Czechoslovakia, Vol. 7, No. 1, 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 6 June 1959
Uncl.

WOLK, K.

Kittiwake (Rissa tridactyla L.) in the National Park of Great Poland. p.277.

BADANIA FIZJOGRAFICZNE NAD POLSKA ZACHODNIA. Poznan, Poland. Vol.4, 1958.

Monthly List of East European Accessions Index (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

WOLF, K.

Relationships between motor reactions and reinforcement in
food conditioned reflexes of the 2d type. Acta physiol.polon.
11 no.5/6:920-922 '60.

1. Z Zakładu Fizjologii Zwierząt Uniwersytetu Łódzkiego
Kierownik: doc.dr. W.Wyrwicka.
(REFLEX CONDITIONED)

WOLF, Krystyna

Evolution of conditioned motor reflexes during the reinforcement of multiple movements with food. Acta physiol Pol 12 no.5:649-660 '61.

1. Z Zakladu Fizjologii Zwierzat Uniwersytetu w Lodzi Kierownik: doc. dr. W. Wyrwicka.

(REFLEX CONDITIONED) (MOVEMENT physiol)

WOLF, Krystyna

Second type conditional reflex properties growing stronger after multiple repetition of the motion. Nauki matem przyrod Lodz no. 14:143-146 '63.

1. Katedra Fizjologii Zwierzat, Uniwersytet, Lodz.

WOLF, Krystyna

Properties of multiple conditioned reflex type II activity.
Acta biol. exp. 23 no.2:133-150 '63.

1. Laboratory of Animal Physiology, University of Lodz, Lodz,
Poland.

(REFLEX, CONDITIONED) (MOVEMENT) (PHYSIOLOGY)

WOLFF, L.

A method of determining the color of soap. p. 350.
(Przemysl Sopzywczy, Vol. 10, No. 8, Aug. 1956, Krakow, Poland)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

WOLF, L., inz.

Records of controls and records of defects. Elektrotechnik 17 no.4:119
Ap '62.

WOLF, I.

Incorrect grounding of a transformer station.

P. 23. (ENERGETIKA) (Praha, Czechoslovakia) Vol. 8, no. 1, Jan. 1958-

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, May 1958

WOLF, Ludvik, inz.

Violation of laws and regulations on building sites.

Inz stavby ll no.4:160 Ap '63.

WOLF, Mihaly

Gas welding with "local" preheating of the cast-iron engine parts of motor vehicles. Jarmu mezo gep 5 no.4:109-112 Je '58.

WOLF, M.

"Utilizing Peat in the Coke and Chemical Industries", P. 143. (CHEMIK, Vol. 6, No. 5, May 1953, Katowice, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

WOLFF, M.

WOLFF, M. Problem of effectiveness of investments in the field of city bridges. p. 162

Vol. 11, no. 7, July 1956

DROGOWNICTWO

TECHNOLOGY

Warszawa, Poland

So: East European Accession, ^Vol. 6, no. 2, Feb. 1957

Wolf, M.

Viewpoints on the planning of urban heating electric power and their economic possibilities. Tr. from the German. II. p. 461

ENERGIA ES ATOMETCHNIKA. (Energiagzdkodasi Tudomanyos Egyesulet)
Budapest, Hungary. Vol. 12, no. 7/8, July/August 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no.11
November 1959
Uncl.

CIVIDJIAN, Grigore, ing. (Craiova).; PUSCASU, Silviu, ing. (Craiova).;
WOLF, Misu (Craiova).

Calculation of lighting produced by linear sources with
fluorescent tubes. Electrotehnica 9 no.9:311-316 S '61.

1. Proiectant la Directia de sistematizare si arhitectura a
Sfatului Popular Regional, Craiova (for Cividjian). 2. Lector
universitar la Craiova (for Pucasu). 3. Proiectant la
Directia de sistematizare si arhitectura a Sfatului Popular
Regional, Craiova (for Wolf).

WOLF, M.

Simax. p. 105. SKLAR A KERAMIK. (Ministerstvo
Lehkého průmyslu) Praha. Vol. 6, no. 5, May
1956.

SOURCE:

East European Accessions List, (EEAL), Library
of Congress Vol. 5, no. 12, December 1956.

WOLF, M. B.

Czechoslovakia/Chemical Technology -- Chemical Products and Their Application.
Silicates. Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1576

Author: Wolf, M. B.

Institution: None

Title: "Simax" Glass

Original

Periodical: Sklar a keramik, 1956, Vol 6, No 5, 105-106; Czech

Abstract: The report describes a glass possessing high thermal resistance (up to $350 \pm 20^\circ$), containing a maximum amount of silica, boric oxide as a flux, and an insignificant amount of alumina to prevent devitrification.

Card 1/1

WOLF, O.

Analyses of Hungarian and foreign natural wines and
 vermouths. Ottó Wolf. *Magyar Ámpelol. Értékv. 9*,
 488-64(1935). Analyses of 113 wines. Natural
 Hungarian sweet wines contained 7.26-17.74% alc. by
 vol., 0.58-1.33% total acids, 2.68-40.50 g. per 100 cc.
 ext., traces to 35.58 g. reducing sugars, 0.14-0.56% ash,
 0.040-0.155% phosphoric acid, 0.05-3.40% glycerol,
 17.2-57.2 ash alkyl. The ratio alcohol:glycerol ranged
 from 100:8.6 to 100:84.5. S. S. de Finály

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

16

ORHANOVIC, M.; STROHAL, P.; MIRNIK, M.; WOLF, R.

Regular annual assembly of the Croatian Chemical Society for 1961.
Croat chem acta 33 no.1:A1-A10 '61.

WOLF, Radenko, dr. ing.

"Fundamentals of Electrical Engineering." Vol. 4. 4th enl. ed. by
Dr. Josip Loncar. Reviewed by Radendo Wolf. Elektrotehnika Hrv
1 no.1-2:105 '58.

NOVAKOVA, Eliska, inz., dr., ScC.; WOLF, Robert, inz.

Game breeding in the gradual shelterwood cutting system.
Les cas 9 no.4/5:363-388 '63.

1. Ustav pro tvorbu a ochranu krajiny, Ceskoslovenska akademie ved, Kostelec nad Cernymi lesy (for Novakova).
2. Lesnicka fakulta, Vysoka skola zemska, Praha (for Wolf).

KUDELA, Michael, inz. CSc.; WOLF, Robert, inz.

Bark beetles and wood-boring beetles on trees damaged by smoke. Les
cas 10 no.11:1023-1036 N '64.

1. Institute of Forestry of the Higher School of Agriculture, Prague.

WOLK, Romuald, dr. inz.

Application of mathematical methods in work standardiza-
tion in Poland. Prace mzda 12 no.5:227-235 My '64.

1. Institute of Labor, Warsaw.

WOLF, R.

Electrical Engineering Abst.
Vol. 57 No. 675
Mar. 1954
Electrical Engineering

6-3-54 jo

621.313.32.017.7
#72. Measurement of the temperature rise of synchronous machines on no-load and short-circuit. R. WOLF. *Elektroteh. Vestnik*, 21, No. 5-6, 151-7 (1953). In Serbo-Croat.

The temperature rise of the windings of synchronous machines may be determined with rough approximation by adding the rise measured on no-load and on short-circuit. However, an analysis of the actual heat dissipation conditions of the machine based on a simple overall diagram shows that inaccuracies arise and where. Corrections may, however, be introduced which make the superposition method more satisfactory. Non-uniformity of the temperature distribution in the windings has little effect on the results, nor have the differences in the temperature distribution in different test conditions an appreciable influence. The variation of the resistivity of the conductors with the temperature must therefore be considered. Field losses must also be taken into account. These two factors are easily calculated. Furthermore, the error introduced by the temperature rise of the cooling air in the fan or by the temperature drop in the circulation cooler must be corrected. The variations of the thermal conductivities and heat transfer coefficients of various parts of the machine with the temperature are, however, impossible to estimate. Another factor which cannot be assessed is the variation of the heat losses of the stator teeth due to field distortion under load nor the corresponding temperature variations. M. T. KILATI

WOLF, R.

"Displacement Factor of Induction Motors" p. 256
(ELEKTROTEHNIŠKI VESTNIK, Vol. 21, no. 9/10, 1953, Ljubljana, Yugoslavia)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

WOLF, R.

4

The behavior of nascent ferric hydroxide sols. R. Wolf and R. Wolf (Ljub. Zagreb, Yugoslavia), *Arch. Res.* 23, 31-34, 1948, English summary; cf. C.A. 46 1842c. Fe(OH)₃ sol was pptd. from solns. of $4 \times 10^{-4} N$ FeCl₃, $1 \times 10^{-3} N$ HCl, and NaOH at varying concns. and the behavior of the nascent sol and of the system before and after formation of the sol was investigated with respect to turbidity in the green spectral region, electrophoretic mobility, and pH. This procedure furnishes the negatively charged sol; the positively charged one is prepd. from $5 \times 10^{-4} N$ NaOH, various amts. of FeCl₃, and amts. of HCl roughly $1/100$ of the amts. of FeCl₃. The same factors were investigated. In the same way were observed the coagulation of $4 \times 10^{-4} N$ FeCl₃ + $7.8 \times 10^{-4} N$ NaOH + $4 \times 10^{-4} N$ HCl by K⁺, Mg⁺⁺, and La⁺⁺⁺ and of $0.2 \times 10^{-4} N$ FeCl₃ + $6.2 \times 10^{-4} N$ HCl + $5 \times 10^{-4} N$ NaOH by NO₃⁻ and SO₄²⁻, also the hydrolysis of FeCl₃ with roughly $1/100$ the concn. of HCl, and the hydrolysis of Fe(NO₃)₃ with about $1/100$ the concn. of HNO₃. The tyndallometric values of the pptn. curve show two max.: the isoelec. max. and the max. due to the coagulation effect of the added ion. The isoelec. max. is accompanied by a sudden change in the electrophoretic and pH curves. The coagulations, with a few exceptions, follow the Schulze-Hardy rule. 4% sucrose soln. stabilizes the system; coagulation by neutral salts does not change the electrophoretic curve appreciably. The hydrolysis of both FeCl₃ and Fe(NO₃)₃ result in positively charged sols at certain concns. If a coagulation mixt. is prepd., e.g.: $2 \times 10^{-4} N$ AgNO₃ + $2 \times 10^{-4} N$ KBr + $1.37 \times 10^{-4} N$ HNO₃, then the coagulation value of Fe(NO₃)₃ for nascent AgBr sol will increase slightly for certain solns. of Fe(NO₃)₃ if these are not freshly prepd. or have been heated for one hr. to 90°. This may indicate a decrease in valency owing to complex formation.

Werner Jacobson

35

WOLF, R.

WOLF, R.

The precipitation processes as indicators for methoric structures. The effect of mixture of electrolytes, of solvents, and of colloid substances. Božo Tefek, R. Matković, R. Schulz, I. Kratochvil, R. Wolf, and B. Černički (Univ. Zagreb, Yugoslavia). J. Colloid Sci. 1954, Suppl. 1, 118-27; cf. C.A. 47, 6219i.—The characteristic max. and crit. limits encountered in detg. the aggregation of inorg. salts of low poly. in the presence of electrolytes can be used to obtain an insight into the structures of the methorical (i.e., interboundary) layer between crystal and soln. Examples given are: (1) the antagonistic action of mixts. of $\text{La}(\text{NO}_3)_3$ with KNO_3 , K_2SO_4 , $\text{Mg}(\text{NO}_3)_2$, or MgSO_4 in the pptn. of AgBr or AgI sols; (2) the effect of dioxane on the ability of KNO_3 , $\text{Ba}(\text{NO}_3)_2$, and $\text{La}(\text{NO}_3)_3$ to coagulate AgBr sols; and (3) the effect of small amts. of AgI on the pptn. of AgBr or AgCl sols. H. K. Livingston

(4)

MP
MET

WOLF, R

13
The behavior of several slightly soluble salts in an aqueous gelatin/medium. Boro Tezak, Ranko Wolf, and Stanka Kratochvil (Univ. Zagreb, Yugoslavia). *J. chim. phys.* 55, 307-14 (1958).—The effect of gelatin on the eq. systems (I) $\text{Ag}_2\text{CrO}_4 + \text{NaCl} + \text{HNO}_3$ and (II) $\text{FeCl}_3 + \text{NaCl} + \text{HCl}$ or NaOH was investigated. Small changes in the concn. of one of the components can make a pronounced change in the structure of the system. An attempt is made to represent the various crit. parameters in a 3-dimensional model for system II. C. J. Ultes

WOLF, Rozsi, Dr.

~~Ambulatory gastric irrigation therapy.~~ Orv. hetil. 99 no.10:353-355
9 Mar 58.

1. A Budapesti VIII. ker. Szanto Kovacs Janos u Szakorvosi Rendelointezet
(igazgato-foorvos: somogyi Erno dr.) Emesztoszervi Osztalyanak (foorvos:
Wolf Rozsi dr.) kozlemenye.

(GASTRECTOMY, compl.

postop., prev. & ther. by gastric irrigation, ambulatory
technic (Hun))

(IRRIGATION

gastric, in prev. & ther. of postop. compl. of gastrectomy,
ambulatory technic (Hun))

WOLF, Rozsi, dr.

Coccygodynia and proctalgia fugax. Orv. hetil. 102 no.14:645-646
2 Ap '61.

1. Budapest, VIII ker. Tanacs Szanto Kovacs Janos u. Rendelo Intezet,
Emesztoszervi Osztaly.

(BACKACHE compl) (RECTUM dis)

WOLF, R.H.H.; TEZAK, Bozo, dr.,prof.

The behavior of the system; gelatin-ferric chloride-neutral electrolyte-hydrochloric acid or sodium hydroxide in an aqueous medium. II. The behavior of the simpler system: ferric chloride-sodium hydroxide in an aqueous medium. Croat chem acta 33 no.1: 1-8 1961..

1. Laboratory of Physical Chemistry, Faculty of Science, University of Zagreb, Croatia, Yugoslavia 2. Editor, "Croatian chemical acta, Arhiv za kemiju" (for Tezak)-

WOLF, R. H. H.; TEZAK, B.

The behaviour of the system: gelatin-ferric chloride-neutral electrolyte-hydrochloric acid or sodium hydroxide in an aqueous medium. II. The behaviour of the simpler system: ferric chloride-sodium hydroxide in an aqueous medium. III. The behaviour of the simpler system: ferric chloride-sodium chloride-sodium hydroxide in an aqueous medium. Croat chem acta 33 no.1:1-13 '61.

1. Laboratory of Physical Chemistry, Faculty of Science, University of Zagreb, Zagreb, Croatia, Yugoslavia. 2. Editorial Board, "Croatia chemica acta", editor (for Tezak).

(Gelatin) (Iron chlorides) (Salt)
(Hydrochloric acid) (Sodium hydroxide)
(Hydrogen-ion concentration)

WOLF, R.H.H.; TEZAK, Bozo, dr., prof.

The behavior of the system: gelatin-ferric chloride-neutral electrolyte-hydrochloric acid or sodium hydroxide in an aqueous medium. III. The behavior of the simpler system: ferric chloride-sodium chloride-sodium hydroxide in an aqueous medium. Croat chem acta 33 no.1:9-13 '61.

1. Laboratory of Physical Chemistry, Faculty of Science, University of Zagreb, Croatia, Yugoslavia. 2. Editor, "Croatica chemica acta, Arhiv za kemiju" (for Tezak),

WOLFEL, Jozefa, dr.

NYARADY, Jozsef, dr.; WOLFEL, Jozefa, dr.

Injuries of the jaws in miners according to statistical data of the dental clinic of the Pecs University, 1943052. Fogorv. szemle 47 no.8:265-271 Aug. 54.

1. Kozlemeny a pecsi orvostudomanyi egyetem stomatologiai klinikajarol.
(MINING,

jaw inj. in miners, statist. in Hungary)

(WOUNDS AND INJURIES,

jaws, statist. in miners in Hungary)

(JAWS, wounds and injuries,

in Miners, statist. in Hungary)

(OCCUPATIONAL DISEASES,

jaw inj. in miners, statist. in Hungary)

WOLFF, A.; IORIAN, V.; VASILESCU, R.

Antibiograms in bronchopulmonary suppurations. Med. int., Bucur. 9
no.12:1836-1842 Dec 57.

(LUNG DISEASES

suppurative dis., value of antibiograms made with sputum
& material from bronchial aspiration)

(ANTIBIOTICS

antibiograms in bronchopulm. suppurations)

WOLFF, B

CP

27

Polish production of glycerol. Bogdan Wolff. *Prze-
glad Chem.* 2, 307-71(1938).—A review of methods of
glycerol production applied in Polish industry.
E. Józefowicz

ASA-SEA METALLURGICAL LITERATURE CLASSIFICATION

WOLFF, B.

27

Solidified fats. Bogdan Wolff. *Przeegląd Chem.* 2, 1945-46 (1938).—A review of properties and methods of production. R. Józefowicz

ASH-SEA METEOROLOGICAL LITERATURE CLASSIFICATION

WOLFF, B.

CA

10

Synthetic fatty acids. Bogdan Wolff. Przegląd Chem.
3, 45-51(1939).—W. gives a concise description of the
tech. synthesis of fatty acids by oxidation of higher paraf.
fins with air at higher temps. (140-200°). E. J.

ALSO SEE METALLURGICAL LITERATURE CLASSIFICATION

REGION: 170-181000
SECTION: 1
SUBSECTION: 1
COLLECTION: 1
REMARKS: 1

WOLFF, Bogdan

Mgr. Inz. Bogdan Wolff: Syntetyczne Srodki Piorace, Warsaw: Panstwowe Wydawnictwa Techniczne, 1954, 230 p. Reviewed in Roczniki Chemii, Vol 30, No 3, 1956.

POLAND/Chemical Technology. Chemical Products and Their
Application. Treatment of Solid Mineral Fuels.

H

Abs Jour: Ref Zhur-Khin., No 13, 1958, 44521.

Author : Wolff D.

Inst :

Title : Hydrogen and Ethylene from Coke Gas as Raw Materials
for the Polish Chemical Industry. Part I.

Orig Pub: Przen. chem., 1957, 13, No 10, 558-562.

Abstract: The possibilities are considered of providing a
raw material base (hydrogen and olefins) for the
synthetic production of the Polish chemical indu-
stry. On the basis of technical and economic
considerations the conclusion is reached that under
conditions which prevail in Poland it is more ad-
vantageous to produce hydrogen and ethylene from

Card : 1/2

POLAND/Chemical Technology. Chemical Products and Their
Application. Treatment of Solid Mineral Fuels.

H

Abs Jour: Ref Zhur-Khim., No 13, 1958, 44521.

coke gas than from brown coal or natural gas. A
general flow sheet is shown of the processing
of coke gas with recovery of hydrogen and olefinic
hydrocarbons, and an evaluation is made of the
economic efficiency of development and putting
into practice of such a system. A discussion is
included.

Card : 2/2

POLAND/Chemical Technology - Chemical Products and Their
Application. Chemical Processing of Solid Fossil
Fuels.

H.

Abs Jour : Ref Zhur - Khimiya, No 10, 1959, 36321

Author : Wolff, B.

Inst :

Title : Hydrogen and Ethylene from Coke Gas as Raw Materials for
the Polish Industry of Chemical Synthesis. Part II.

Orig Pub : Przem. chem., 1958, 37, No 1, 2-8.

Abstract : The application of H_2 and C_2H_4 from coke gas as raw agents
permits the development in Poland of an industry, which
would be independent from the import of artificial nitro-
gen fertilizers and the "chemistry of olefins". A num-
ber of organizational and technical measures is proposed.
For Part I, see RZhKhim, 1958, 44521. - Ya. Satunovskiy

Card 1/1

WOLFF, B.

3

Problems in preparation of plans for the development of Polish chemical industry. / Bogdan Wolff (Zakłady Przemysłu Azotowego, Kędzierzyn, Poland). *Przemysł Chem.* 37, 441-7(1958).—W. analyzes and discusses the future of the Polish chem. industry. He compares the availability of energy raw materials (coal, natural gas, petroleum oil, hydroelec. power) in Poland with U.S.A. and U.S.S.R. The unfavorable structure of Polish export of chemicals is also discussed. P. J. Hendel—

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